PTS 525 Series
Microminiature Tact Switch for SMT

Features/Benefits

- ***0.8 & 1.5 mm actuator height***
- ***Ruggedized package in a compact size***
- ***High number of cycles***

Typical Applications

- ***Consumer products***
- ***Instrumentation***
- ***Remote controls***





Specification

FUNCTION: Momentary action
CONTACT ARRANGEMENT: 1 make contact = SPST, N.O.

Electrical

MAXIMUM VOLTAGE:	15 VDC
MAXIMUM CURRENT DC:	20 mA
DIELECTRIC STRENGTH:	250 VA C (1mn)
CONTACT RESISTANCE:	≤ 100 mΩ
INSULATION RESISTANCE:	≥ 100 MΩ
BOUNCE TIME:	≤ 10 ms

Environmental

OPERATING TEMPERATURE: -20˚C to 70˚C

Process

SOLDERING: This component is suited to the following methods:
Infrared Reflow Soldering in accordance with IEC61760-1

Packaging

Switches in reels of:
5,000 pieces in 0.8 mm height
4,000 pieces in 1.5 mm height
Dimensions of reels according to EIA 481B
External diameter 330 mm

NOTE: Specifications listed above are for switches with standard options.
For information on specific and custom switches, consult Customer Service Center.

How To Order

Please see chart below for full part numbers.

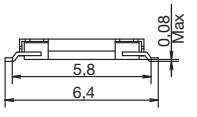
Part Number	Height (mm)	Leads Shape	Ground Pin	Force	Travel (mm)	Operating Life
PTS525 SM08 SMTR 2 LFS	0.8	G	No	160 gf ± 50 gf	0.25 ± 0.2	1,000,000
PTS525 SK08 SMTR 2 LFS	0.8	G	No	260 gf ± 50 gf	0.25 ± 0.2	200,000
PTS525 SM15 SMTR 2 LFS	1.5	G	No	160 gf ± 50 gf	0.25 ± 0.2	1,000,000
PTS525 SK15 SMTR 2 LFS	1.5	G	No	260 gf ± 50 gf	0.25 ± 0.2	500,000
PTS525 SMG15 SMTR 2 LFS	1.5	G	Yes	160 gf ± 50 gf	0.25 ± 0.2	1,000,000
PTS525 SKG15 SMTR 2 LFS	1.5	G	Yes	260 gf ± 50 gf	0.25 ± 0.2	500,000
PTS525 SMG15J SMTR 2 LFS	1.5	J	Yes	160 gf ± 50 gf	0.25 ± 0.2	1,000,000
PTS525 SKG15J SMTR 2 LFS	1.5	J	Yes	260 gf ± 50 gf	0.25 ± 0.2	500,000

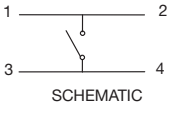
First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

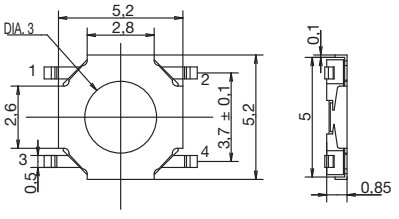
PTS 525 Series
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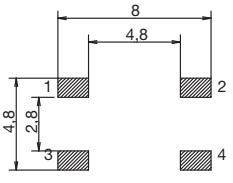
PTS525 SM08 SMTR2 LFS
PTS525 SK08 SMTR2 LFS





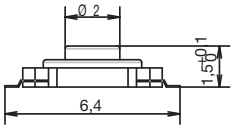
SCHEMATIC

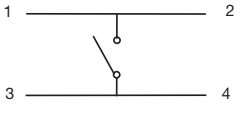




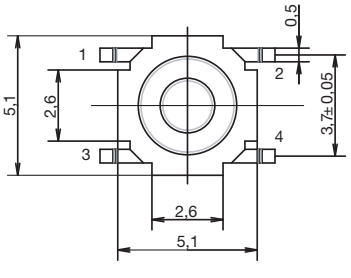
RECOMMENDED PCB LAYOUT

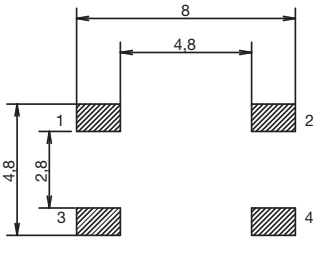
PTS525 SM15 SMTR2 LFS
PTS525 SK15 SMTR2 LFS





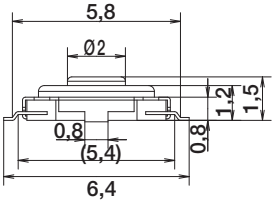
SCHEMATIC

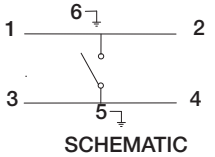




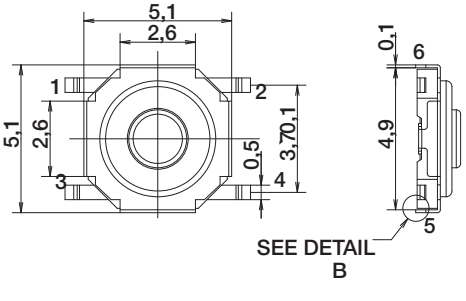
RECOMMENDED PCB LAYOUT

PTS525 SMG15 SMTR2 LFS
PTS525 SKG15 SMTR2 LFS



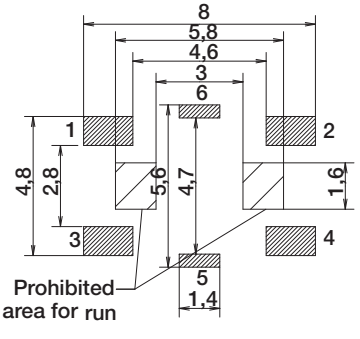


SCHEMATIC





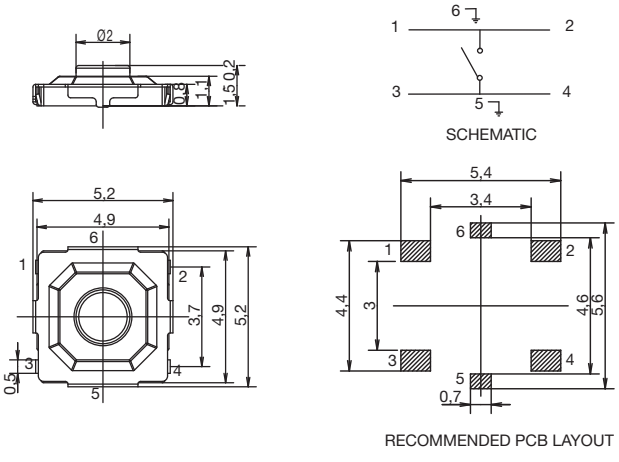
DETAIL B
SCALE
20



RECOMMENDED PCB LAYOUT

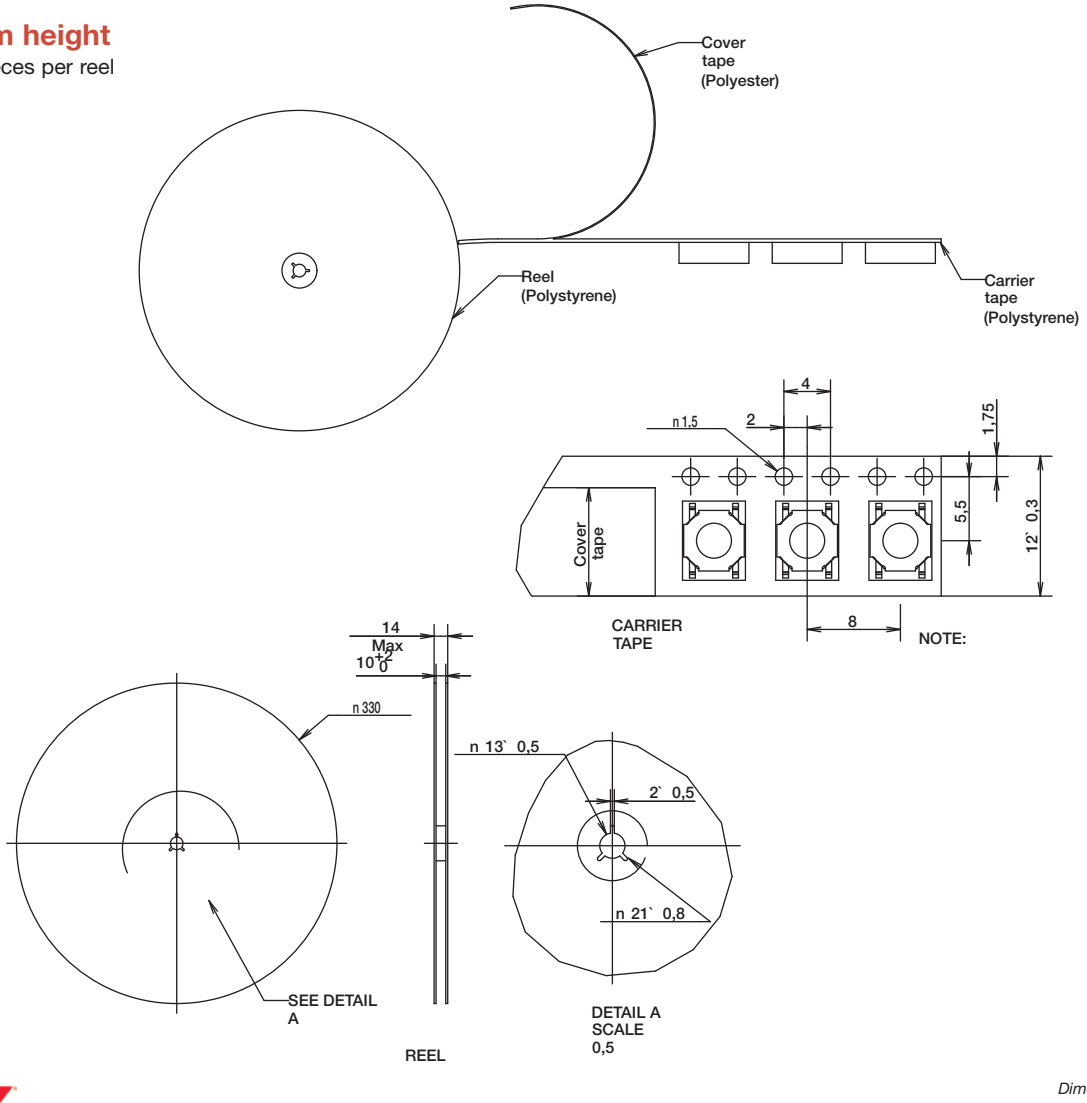
Dimensions are shown: mm
Specifications and dimensions subject to change

PTS525 SMG15J SMTR2 LFS
PTS525 SKG15J SMTR2 LFS



TAPE & REEL

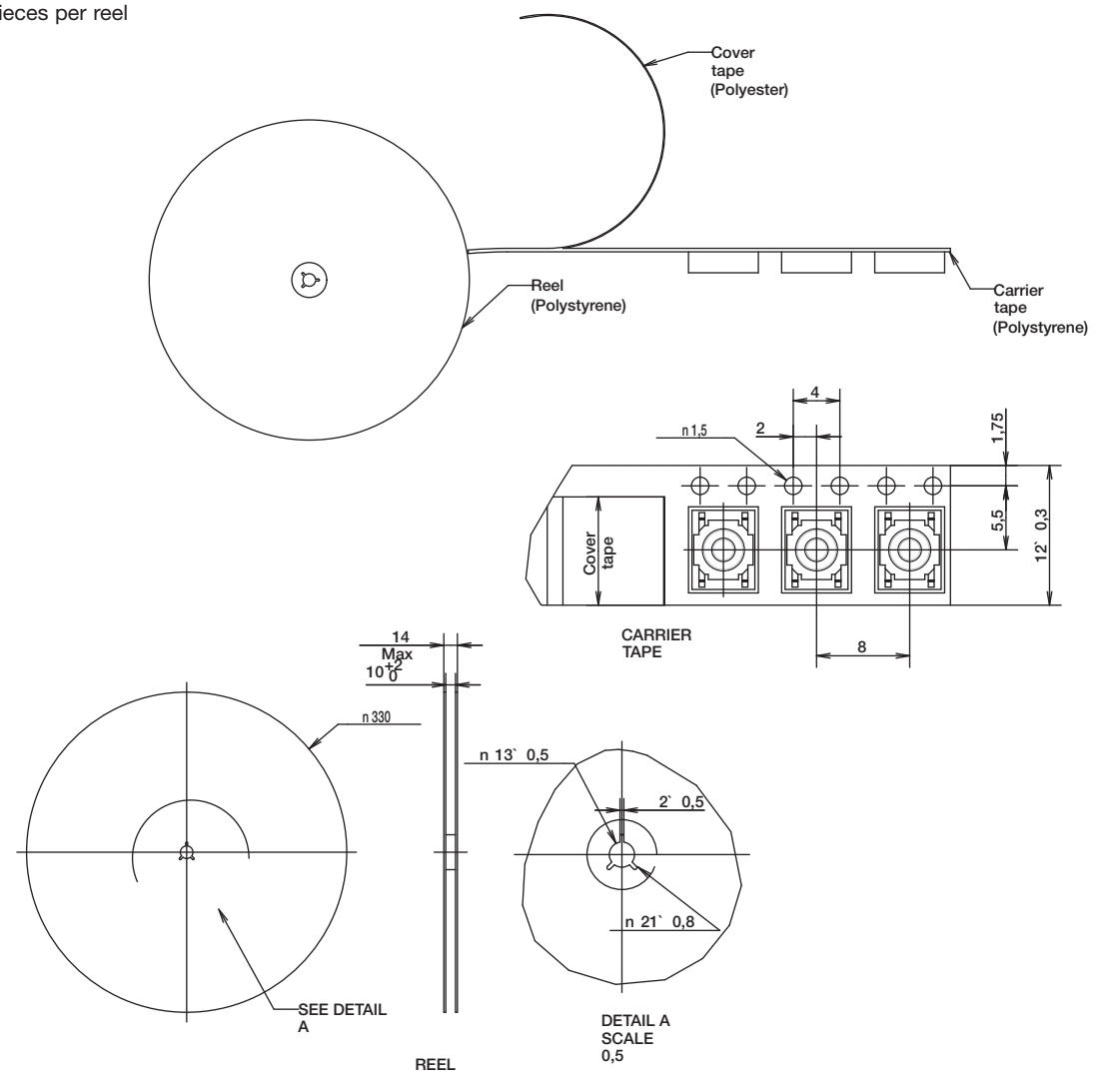
0.8 mm height
5,000 pieces per reel



TAPE & REEL

1.5 mm height

4,000 pieces per reel



First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change